





NOVELTY - Two-part bicarbonate containing solution comprises a first part housed in a first container including an alkaline bicarbonate concentrate of pH 8.6-10.0 and a second part housed in a second container including an acidic concentrate of pH 1.0-3.0. The pH is selected so that when the two parts are mixed, the combined solution has a pH of 6.5-7.6.

The present invention provides devices and methods for stabilizing bicarbonate-based solutions for peritoneal dialysis or hemofiltration. The bicarbonate-based solutions of the present invention are formulated and stored in at least two parts - an alkaline bicarbonate concentrate and an acidic concentrate. The alkaline bicarbonate concentrate is adjusted to have a pH of about 8.6 to 10.0. The acidic concentrate is adjusted to have a stable, acidic pH ranging from about 1.0 to 3.0. Upon mixing, although some variation in the pH of the mixed bicarbonate solution exists, the inventors have discovered that with the appropriate selection of the parameters of the concentrates, the pH of the mixed solution is always within an acceptable physiological range.

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L'invention concerne des dispositifs et des procedes permettant de stabiliser les solutions bicarbonates destinees a la dialyse peritoneale ou a l'hemofiltration. Ces solutions bicarbonates sont formulees et conservees en au moins deux parties, soit un concentrate de bicarbonate alcalin et un concentrate acide. Dans le concentrate de bicarbonate alcalin, le pH est regle entre 8,6 et 10,0 environ. Le concentrate acide est regle de maniere a presenter un pH stable acide compris entre 1,0 et 3,0. Les inventeurs ont decouvert que grace a une selection appropriee des parametres des concentrates, le pH

apres melange de cette solution bicarbonatee, en depit de quelques variations, se situe toujours dans une plage physiologiquement acceptable.,

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